

REMARKS

Applicant requests entry of the instant amendment prior to examination of the above-identified patent application on the merits.

Claims 1-12 and 14-16 are pending in the above-identified application. Claim 13 has been cancelled. Claims 1-12 have been amended. New claims 14-16 have been added by the instant amendment.

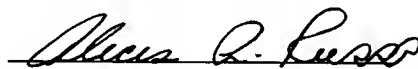
Attached hereto is a marked-up version of the changes made by the instant amendment. The attached page is captioned "VERSION WITH MARKINGS TO SHOW CHANGES MADE" and is only included for the Examiner's convenience. Should any discrepancies be discovered, the version presented in the preceding "IN THE CLAIMS" section shall be deemed to be correct.

Applicants assert that these new claims are fully supported by the application as filed and do not constitute new matter.

Applicants submit herewith a Substitute Sequence Listing in paper and computer form. I hereby state that the content of the paper and computer readable copies of the Substitute Sequence Listing submitted in accordance with 37 C.F.R. §1.821(c) and (e), are the same. I hereby state that the content of the paper and computer readable copies of the Substitute Sequence Listing, submitted in accordance with 37 C.F.R. §1.821(g), herein does not include new matter.

The Commissioner is hereby authorized to charge any fees due with this submission not otherwise enclosed herewith to Deposit Account No. 02-4377. Please credit any overpayment of fees associated with this filing to the above-identified deposit account. A duplicate of this page is enclosed.

Respectfully submitted,



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VERSION WITH MARKINGS TO SHOW CHANGES MADE

In the following sections, added text is marked with double underlining. e.g. added text, and deleted text is marked by a single strikethrough, e.g. ~~deleted text~~.

IN THE CLAIMS

Claims 1-10 have been amended as follows:

1. A method for producing an isotransgenic plant ~~lines, line~~ comprising the following steps of:

- a) transforming ~~the plant~~ cells of a plant hybrid consisting of plant,
~~the crossing of two parental lines, line of which are~~ a line of
interest and a line suited to transformation, with a vector
carrying comprising a T-DNA containing a transgene;
- b) ~~selecting the~~ hybrid primary transformants which have integrated
said T-DNA only, into the genome of the line of interest;
- c) backcrossing, selected hybrid primary transformants with the
parental line of interest, ~~said primary transformants selected in b);~~
and
- d) selecting the individuals at least one transgenic individual derived
from ~~these each~~ backcrosses backcross until the isotransgenic
lines line are produced.

2. The method ~~as claimed in~~ of Claim 1, ~~characterized in that~~ wherein the step for
selecting ~~the~~ hybrid primary transformants ~~consists in~~ comprises identifying the genomic
sequences adjacent to the T-DNA inserted, ~~in order to determine~~ and determining the parent
genome which has received said T-DNA.

3. The method ~~as claimed in~~ of Claim 2, ~~in wherein which~~ determining the
~~determination of the parent plant~~ genome which has received said T-DNA, using said genomic

~~sequences adjacent to the T-DNA;~~ is carried out according to a technique selected from the group consisting of an RFLP technique ~~or~~ and a sequencing method.

4. ~~The method as claimed in one of Claim 1, wherein the Claims 1 to 3, individual selected in which the individuals in which the~~(d) has

- a) a chromosome which has received~~having~~ the T-DNA has conserved~~but otherwise having a genotype~~genotype entirely of the line of interest ~~type;~~ and ~~which have~~
- b) a genome of interest to entire genome ratio of at least about 75%;
~~are selected from the first backcross in c).~~

5. ~~The method as claimed in one of the preceding claims, characterized in that it comprises a subsequent step of~~Claim 1 further comprising crossing between the isotransgenic plant line according to the invention and another a second line of interest, in particular another isotransgenic line containing a different transgene, for producing a hybrid line.

6. ~~The method as claimed in one of Claim 1, wherein the preceding claims, characterized in that the~~hybrid plant cells~~is originates~~selected from the group consisting of a large crop species chosen from maize~~plant, wheat, rapeseed, sunflower, pea, soybean and barley, or from a vegetable or~~plant, and floral species~~plant.~~

7. ~~The method as claimed in one of the preceding claims, characterized in that~~Claim 1, wherein the T-DNA comprises in particular a nucleotide sequence encoding a protein which confers agronomic properties and/or properties of resistance to diseases.

8. ~~The method as claimed in one of the preceding claims, characterized in that~~Claim 1, wherein the isotransgenic ~~lines produced are~~line is a commercial elite lines~~line.~~

9. ~~The use of the~~The method as claimed in one of Claims 1 to 8, characterized in that it ~~allows~~Claim 1, wherein the introgression of several transgenic characteristics into aisogenic plant, without adding is substantially free of fragments linked to the transgene which may be the subject of a genetic burden.

10. A method ~~which makes it possible to target~~of identifying the parent genome which has received a T-DNA after transformation of a hybrid; comprising ~~the identification of the~~identifying genomic sequences adjacent to the T-DNA inserted.

11. A transgenic plant, organ or ~~part of a plant~~, in particular seed, obtained according ~~to~~by the invention in one or other method of the steps described in Claim 1 or 5.

12. A ~~true~~An isotransgenic line produced from hybrid transformants ~~as claimed in one by the method~~ of Claims 1 or 7, ~~characterized in that they have fixed~~wherein the isotransgenic line has a pure line of interest genotype over the entire genome and have stably integrated the T-DNA containing the transgene.